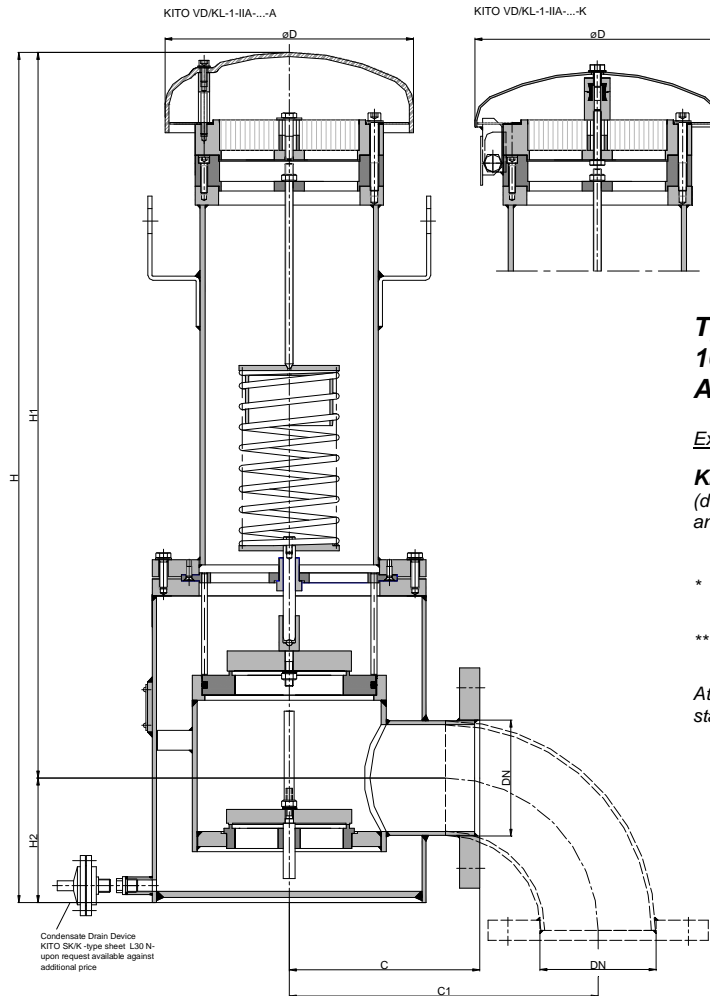
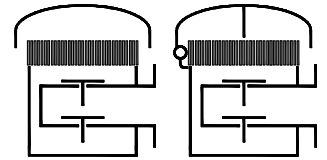


# Combined Pressure / Vacuum Relief Valve

KITO® VD/KL-1-IIA-...-A

KITO® VD/KL-1-IIA-...-K



**Type examination certificate to DIN EN ISO 16852 and C€ -designation in accordance to ATEX-Guideline 94/9/EC**

*Example to order :*

**KITO® VD/KL-1-IIA-50/25-A**

(design with weather hood from PMMA, overpressure pallet DN 25 and vertical flange connection DN 50 PN 16)

\* Standard valve setting 7-30 mbar -different settings against additional price-

\*\* minor settings see type sheet E 14 N, higher settings on request

Attention !!! Dimension H for design with a weather hood from stainless steel 1.4571 ca. 10-15 mm lower.

DN	ANSI	D	H	H1	H2	C	C1	kg	setting mbar				
									vacuum*		pressure**		
									min.	max.	sizes	min.	max.
50	2"	248			77	155	186		6	55	DN 25 u. 50	200	350
80	3"	248			105	180	252		7	60	DN 50 u. 80		
100	4"	248	850	726	124	190	310		7	65	DN 50, 80 u. 100		

Dimensions in mm

Indicated weights are understood without weight load and refer to the standard design.

Design subject to change

performance curves: E 0.14.1 N

## Standard design

housing : steel, stainless steel mat. no. 1.4571  
 valve pallet (pressure) : spring loaded  
 valve pallet (vacuum) : weight loaded  
 valve seats / spindles : stainless steel mat. no. 1.4571  
 valve seals : metal sealing  
 spring loaded parts : stainless steel 1.4571  
 compression spring : stainless steel  
 KITO® flame arrester element : completely interchangeable  
 KITO® casing / grid : stainless steel mat. no. 1.4308 / 1.4310, 1.4408 / 1.4571

weather hood :  
 KITO® VD/KL-1-IIA-...-K : stainless steel mat. no. 1.4571, hood can fold automatically as a result of folding mechanism and fusing element  
 KITO® VD/KL-1-IIA-...-A : PMMA

protective screen : PA6  
 flange connection : DIN EN 1092-1 form B1 PN 16, ANSI 150 lbs. RF, (lateral or vertical)

## Application

As end-of-line armature, for venting apertures on tank installations, valve is explosion-proof and endurance-burning proof for certain inflammable liquids. Used mainly as venting and breather device for fixed roof tanks to prevent inadmissible pressure and vacuum and to minimize unwelcome gas losses and inadmissible emissions. Approved for all materials of the explosion group IIA with a maximum experimental safe gap (MESG) > 0.9. The housing is mounted perpendicularly on a tank roof. If required by the customer, the valve is equipped with an explosion-proof condensate drain device and a lifting lever for the lower valve disk in order to test the function.